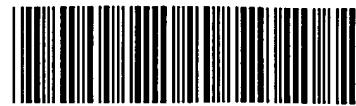OIPE

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/735,713A

DATE: 04/24/2002
TIME: 14:08:55

Input Set : A:\LEX-0108-USA SEQLIST.txt
Output Set: N:\CRF3\04242002\I735713A.raw

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 4 <110> APPLICANT: Walke, D. Wade
 5         Turner, C. Alexander Jr.
 6         Abuin, Alejandro
 7         Friedrich, Glenn
 8         Zambrowicz, Brian
 9         Sands, Arthur T.
11 <120> TITLE OF INVENTION: Novel Human Proteases and
12         Polynucleotides Encoding the Same
14 <130> FILE REFERENCE: LEX-0108-USA
16 <140> CURRENT APPLICATION NUMBER: US/09/735,713A
16 <141> CURRENT FILING DATE: 2000-12-12
16 <150> PRIOR APPLICATION NUMBER: US 60/171,566
17 <151> PRIOR FILING DATE: 1999-12-22
19 <160> NUMBER OF SEQ ID NOS: 7
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 921
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
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30 tttgaacrag gtaaatctgc arctctttcg ctccccaaag ctcccagttg tgggcagagt     120
31 ctggttaagg tacagccttg gaattatttt aacattttca gtcgcattct tggaggaagc     180
32 caagtggaga agggttccta tccctggcag gtatctctga aacaaaggca gaagcatatt     240
33 tgtggaggaa gcatcgtctc accacagtgg gtgatcacgg cggctcactg cattgcaaac     300
34 agaaacattg tgtctacttt gaatgttact gctggagagt atgacttaag ccagacagac     360
35 ccaggagagc aaactctcac tattgaaact gtcatcatac atccacattt ctccaccaag     420
36 aaaccaatgg actatgatat tgcccttttg aagatggctg gagccttcca atttggccac     480
37 tttgtggggc ccatatgtct tccagagctg cgggagcaat ttgaggctgg ttttatttgt     540
38 acaactgcag gctggggccg cttaactgaa ggtggcgtcc tctcacaagt cttgcaggaa     600
39 gtgaatctgc ctattttgac ctgggaagag tgtgtggcag ctctgttaac actaaagagg     660
40 cccatcagtg ggaagacctt tctttgcaca ggttttcctg atggagggag agacgcatgt     720
41 cagggagatt caggaggttc actcatgtgc cggaataaga aagggccctg gactctggct     780
42 ggtgtgactt cctgggggttt gggctgtggt cgaggctgga gaaacaatgt gaggaaaagt     840
43 gatcaaggat cccctgggat cttcacagac attagtaaag tgctttcctg gatccacgaa     900
44 cacatccaaa ctggtaacta a                                                921
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 306
48 <212> TYPE: PRT
49 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 2
52 Met Ser Leu Lys Met Leu Ile Ser Arg Asn Lys Leu Ile Leu Leu Leu
53 1               5                   10                  15
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RAW SEQUENCE LISTING   DATE: 04/24/2002
PATENT APPLICATION: US/09/735,713A   TIME: 14:08:55

Input Set : A:\LEX-0108-USA SEQLIST.txt
Output Set: N:\CRF3\04242002\I735713A.raw

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54 Gly Ile Val Phe Phe Glu Arg Gly Lys Ser Ala Ala Leu Ser Leu Pro
55            20                  25                  30
56 Lys Ala Pro Ser Cys Gly Gln Ser Leu Val Lys Val Gln Pro Trp Asn
57            35                  40                  45
58 Tyr Phe Asn Ile Phe Ser Arg Ile Leu Gly Gly Ser Gln Val Glu Lys
59      50                  55                  60
60 Gly Ser Tyr Pro Trp Gln Val Ser Leu Lys Gln Arg Gln Lys His Ile
61 65                  70                  75                  80
62 Cys Gly Gly Ser Ile Val Ser Pro Gln Trp Val Ile Thr Ala Ala His
63            85                  90                  95
64 Cys Ile Ala Asn Arg Asn Ile Val Ser Thr Leu Asn Val Thr Ala Gly
65            100                 105                 110
66 Glu Tyr Asp Leu Ser Gln Thr Asp Pro Gly Glu Gln Thr Leu Thr Ile
67         115                 120                 125
68 Glu Thr Val Ile Ile His Pro His Phe Ser Thr Lys Lys Pro Met Asp
69      130                 135                 140
70 Tyr Asp Ile Ala Leu Leu Lys Met Ala Gly Ala Phe Gln Phe Gly His
71 145                 150                 155                 160
72 Phe Val Gly Pro Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe Glu Ala
73            165                 170                 175
74 Gly Phe Ile Cys Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu Gly Gly
75            180                 185                 190
76 Val Leu Ser Gln Val Leu Gln Glu Val Asn Leu Pro Ile Leu Thr Trp
77         195                 200                 205
78 Glu Glu Cys Val Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile Ser Gly
79      210                 215                 220
80 Lys Thr Phe Leu Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp Ala Cys
81 225                 230                 235                 240
82 Gln Gly Asp Ser Gly Gly Ser Leu Met Cys Arg Asn Lys Lys Gly Ala
83            245                 250                 255
84 Trp Thr Leu Ala Gly Val Thr Ser Trp Gly Leu Gly Cys Gly Arg Gly
85         260                 265                 270
86 Trp Arg Asn Asn Val Arg Lys Ser Asp Gln Gly Ser Pro Gly Ile Phe
87      275                 280                 285
88 Thr Asp Ile Ser Lys Val Leu Ser Trp Ile His Glu His Ile Gln Thr
89      290                 295                 300
90 Gly Asn
91 305
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93 <210> SEQ ID NO: 3
94 <211> LENGTH: 909
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 3
99  atgcttataa gcaggaacaa gctgatttta ctactaggaa tagtcttttt tgaacraggt     60
100 aaatctgcar ctctttcgct ccccaaagct cccagttgtg ggcagagtct ggttaaggta    120
101 cagccttgga attattttaa cattttcagt cgcattcttg gaggaagcca agtggagaag    180
102 ggttcctatc cctggcaggt atctctgaaa caaaggcaga agcatatttg tggaggaagc    240
103 atcgtctcac cacagtgggt gatcacggcg gctcactgca ttgcaaacag aaacattgtg    300
104 tctactttga atgttactgc tggagagtat gacttaagcc agacagaccc aggagagcaa    360
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RAW SEQUENCE LISTING   DATE: 04/24/2002
PATENT APPLICATION: US/09/735,713A   TIME: 14:08:55

Input Set : A:\LEX-0108-USA SEQLIST.txt
Output Set: N:\CRF3\04242002\I735713A.raw

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106 tatgatattg ccctttttgaa gatggctgga gccttccaat ttggccactt tgtggggccc   480
107 atatgtcttc cagagctgcg ggagcaattt gaggctggtt ttatttgtac aactgcaggc   540
108 tggggccgct taactgaagg tggcgtcctc tcacaagtct tgcaggaagt gaatctgcct   600
109 attttgacct gggaagagtg tgtggcagct ctgttaacac taaagaggcc catcagtggg   660
110 aagacctttc tttgcacagg ttttcctgat ggagggagag acgcatgtca gggagattca   720
111 ggaggttcac tcatgtgccg gaataagaaa ggggcctgga ctctggctgg tgtgacttcc   780
112 tggggtttgg gctgtggtcg aggctggaga aacaatgtga ggaaaagtga tcaaggatcc   840
113 cctgggatct tcacagacat tagtaaagtg ctttcctgga tccacgaaca catccaaact   900
114 ggtaactaa                                                            909
116 <210> SEQ ID NO: 4
117 <211> LENGTH: 302
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 4
122 Met Leu Ile Ser Arg Asn Lys Leu Ile Leu Leu Leu Gly Ile Val Phe
123 1               5                   10                  15
124 Phe Glu Arg Gly Lys Ser Ala Ala Leu Ser Leu Pro Lys Ala Pro Ser
125             20                  25                  30
126 Cys Gly Gln Ser Leu Val Lys Val Gln Pro Trp Asn Tyr Phe Asn Ile
127         35                  40                  45
128 Phe Ser Arg Ile Leu Gly Gly Ser Gln Val Glu Lys Gly Ser Tyr Pro
129     50                  55                  60
130 Trp Gln Val Ser Leu Lys Gln Arg Gln Lys His Ile Cys Gly Gly Ser
131 65                  70                  75                  80
132 Ile Val Ser Pro Gln Trp Val Ile Thr Ala Ala His Cys Ile Ala Asn
133                 85                  90                  95
134 Arg Asn Ile Val Ser Thr Leu Asn Val Thr Ala Gly Glu Tyr Asp Leu
135             100                 105                 110
136 Ser Gln Thr Asp Pro Gly Glu Gln Thr Leu Thr Ile Glu Thr Val Ile
137         115                 120                 125
138 Ile His Pro His Phe Ser Thr Lys Lys Pro Met Asp Tyr Asp Ile Ala
139     130                 135                 140
140 Leu Leu Lys Met Ala Gly Ala Phe Gln Phe Gly His Phe Val Gly Pro
141 145                 150                 155                 160
142 Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe Glu Ala Gly Phe Ile Cys
143                 165                 170                 175
144 Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu Gly Gly Val Leu Ser Gln
145             180                 185                 190
146 Val Leu Gln Glu Val Asn Leu Pro Ile Leu Thr Trp Glu Glu Cys Val
147         195                 200                 205
148 Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile Ser Gly Lys Thr Phe Leu
149     210                 215                 220
150 Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp Ala Cys Gln Gly Asp Ser
151 225                 230                 235                 240
152 Gly Gly Ser Leu Met Cys Arg Asn Lys Lys Gly Ala Trp Thr Leu Ala
153                 245                 250                 255
154 Gly Val Thr Ser Trp Gly Leu Gly Cys Gly Arg Gly Trp Arg Asn Asn
155                 260                 265                 270
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RAW SEQUENCE LISTING   DATE: 04/24/2002
PATENT APPLICATION: US/09/735,713A   TIME: 14:08:55

Input Set : A:\LEX-0108-USA SEQLIST.txt
Output Set: N:\CRF3\04242002\I735713A.raw

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156 Val Arg Lys Ser Asp Gln Gly Ser Pro Gly Ile Phe Thr Asp Ile Ser
157         275             280             285
158 Lys Val Leu Ser Trp Ile His Glu His Ile Gln Thr Gly Asn
159     290             295             300
161 <210> SEQ ID NO: 5
162 <211> LENGTH: 495
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 5
167 atggactatg atattgccct tttgaagatg gctggagcct tccaatttgg ccactttgtg      60
168 gggcccatat gtcttccaga gctgcgggag caatttgagg ctggttttat ttgtacaact     120
169 gcaggctggg gccgcttaac tgaaggtggc gtcctctcac aagtcttgca ggaagtgaat     180
170 ctgcctattt tgacctggga agagtgtgtg gcagctctgt taacactaaa gaggcccatc     240
171 agtgggaaga cctttctttg cacaggtttt cctgatggag ggagagacgc atgtcaggga     300
172 gattcaggag gttcactcat gtgccggaat aagaaagggg cctggactct ggctggtgtg     360
173 acttcctggg gtttgggctg tggtcgaggc tggagaaaca atgtgaggaa aagtgatcaa     420
174 ggatcccctg ggatcttcac agacattagt aaagtgcttt cctggatcca cgaacacatc     480
175 caaactggta actaa                                                      495
177 <210> SEQ ID NO: 6
178 <211> LENGTH: 164
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 6
183 Met Asp Tyr Asp Ile Ala Leu Leu Lys Met Ala Gly Ala Phe Gln Phe
184 1               5               10              15
185 Gly His Phe Val Gly Pro Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe
186         20              25              30
187 Glu Ala Gly Phe Ile Cys Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu
188         35              40              45
189 Gly Gly Val Leu Ser Gln Val Leu Gln Glu Val Asn Leu Pro Ile Leu
190     50              55              60
191 Thr Trp Glu Glu Cys Val Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile
192 65              70              75              80
193 Ser Gly Lys Thr Phe Leu Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp
194             85              90              95
195 Ala Cys Gln Gly Asp Ser Gly Gly Ser Leu Met Cys Arg Asn Lys Lys
196             100             105             110
197 Gly Ala Trp Thr Leu Ala Gly Val Thr Ser Trp Gly Leu Gly Cys Gly
198         115             120             125
199 Arg Gly Trp Arg Asn Asn Val Arg Lys Ser Asp Gln Gly Ser Pro Gly
200     130             135             140
201 Ile Phe Thr Asp Ile Ser Lys Val Leu Ser Trp Ile His Glu His Ile
202 145             150             155             160
203 Gln Thr Gly Asn
206 <210> SEQ ID NO: 7
207 <211> LENGTH: 1568
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 7
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RAW SEQUENCE LISTING   DATE: 04/24/2002
PATENT APPLICATION: US/09/735,713A   TIME: 14:08:55

Input Set : A:\LEX-0108-USA SEQLIST.txt
Output Set: N:\CRF3\04242002\I735713A.raw

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212 catacaccat agtctcagac tcagtttcat gggtgaaatg gagaagatat tacctcaatc    60
213 ctagaagcta tctaatcatt tagtttgtct cgtttttttc tctggttcaa agtttttttc   120
214 ttccatttca ggtgtcgtga aaagcttgaa ttcggcgcgc cagatatcac acgtgccaag   180
215 ggactggctc aaaggcttcc tattttttgtt tgctttagtc tctctaaaat ttcagggaaa   240
216 aactatgagt ctcaaaatgc ttataagcag gaacaagctg attttactac taggaatagt   300
217 ctttttttgaa craggtaaat ctgcarctct ttcgctcccc aaagctccca gttgtgggca   360
218 gagtctggtt aaggtacagc cttggaatta ttttaacatt ttcagtcgca ttcttggagg   420
219 aagccaagtg gagaagggtt cctatccctg gcaggtatct ctgaaacaaa ggcagaagca   480
220 tatttgtgga ggaagcatcg tctcaccaca gtgggtgatc acggcggctc actgcattgc   540
221 aaacagaaac attgtgtcta ctttgaatgt tactgctgga gagtatgact taagccagac   600
222 agacccagga gagcaaactc tcactattga aactgtcatc atacatccac atttctccac   660
223 caagaaacca atggactatg atattgccct tttgaagatg gctggagcct tccaatttgg   720
224 ccactttgtg gggcccatat gtcttccaga gctgcgggag caatttgagg ctggttttat   780
225 ttgtacaact gcaggctggg gccgcttaac tgaaggtggc gtcctctcac aagtcttgca   840
226 ggaagtgaat ctgcctattt tgacctggga agagtgtgtg gcagctctgt taacactaaa   900
227 gaggcccatc agtgggaaga cctttctttg cacaggtttt cctgatggag ggagagacgc   960
228 atgtcaggga gattcaggag gttcactcat gtgccggaat aagaaagggg cctggactct  1020
229 ggctggtgtg acttcctggg gtttgggctg tggtcgaggc tggagaaaca atgtgaggaa  1080
230 aagtgatcaa ggatcccctg ggatcttcac agacattagt aaagtgcttt cctggatcca  1140
231 cgaacacatc caaactggta actaagccat cacacaaggt taagaagctg ccattctgct  1200
232 agggccagag acagcatcag cagagtcctg gcaaatcaga gcacctgaac caacagtctc  1260
233 tacctctgtt ctcagtgtag cacacaagga ttgtgaggtt taccaagtct aaataaaaca  1320
234 agagtaaaat atggtaaaaa aaaaaaaaaa aaaaaaatgt ggagcagcat gcagatattc  1380
235 aatgaaaaat gaatccatcc atcctagacc ttctcaaact ggcctttaat tgaaactatc  1440
236 tcaattgatg atatgctttc accacttact tctctggatt cagagtccag agtgctcacc  1500
237 attacaccga tggcaccact tacttctcaa aaaaatccag caaactataa ccagatcagt  1560
238 agttatca                                                          1568
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VERIFICATION SUMMARY   DATE: 04/24/2002
PATENT APPLICATION: US/09/735,713A   TIME: 14:08:56

Input Set : **A:\LEX-0108-USA SEQLIST.txt**
Output Set: **N:\CRF3\04242002\I735713A.raw**

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date